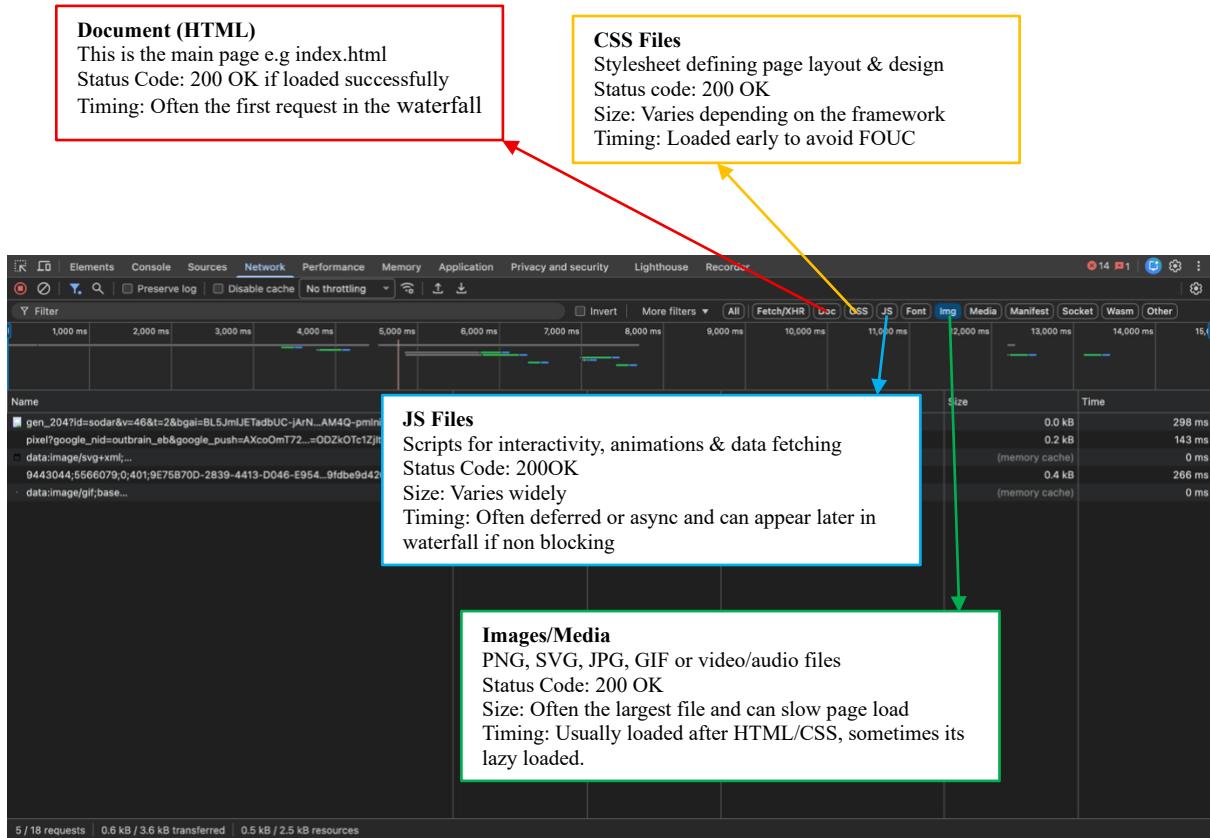


1. ANNOTATED BROWSER NETWORK DIAGRAM



2. STATUS CODES

- o 200 OK → Successfully loaded.
- o 304 Not Modified → Cached version used.
- o 404 Not Found → Missing file.
- o 500 → Server error.

3. TIMING WATERFALL

Shows the order and duration of each resource loading.

- a. **Phases:**
 - i. **DNS Lookup:** Time to resolve domain name.
 - ii. **Initial Connection / TLS:** Time to connect to server and establish HTTPS.
 - iii. **Waiting / TTFB:** Time until first byte received.
 - iv. **Content Download:** Time to download the resource.
- b. Helps identify slow-loading files or bottlenecks.

